Quarta Lista de Exercícios — Matemática II/Contábeis — Prof. Luiz Felipe — 2016/1°

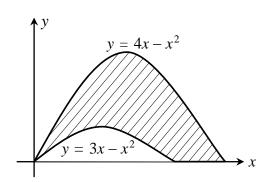
1) Esboce a região delimitada pelas curvas e calcule sua área:

a)
$$y = x^2$$
 e $y = -x + 2$

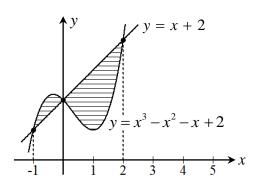
b)
$$y = -x^2 + 6x - 3$$
 e $y = x^2 - 4x + 5$

2) Encontre a área da região indicada na figura:

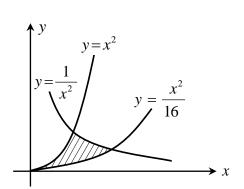
a)



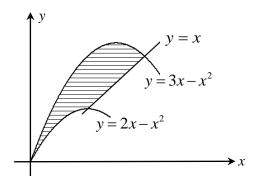
b)



c)



d)



Respostas.

1) a) 9/2 b) 9.

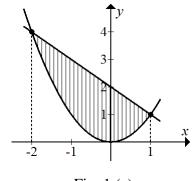


Fig. 1 (a)

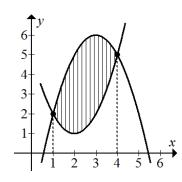


Fig. 1 (b)

2) a) 37/6 b) 37/12 c) 2/3 d) 7/6.